

|                                              |                                                          |                        |
|----------------------------------------------|----------------------------------------------------------|------------------------|
| <b>FACSIMILE<br/>TRANSMITTAL<br/>FORM</b>    | Application Number                                       | 10/666212              |
|                                              | Filing Date                                              | September 18, 2003     |
|                                              | First Named Inventor                                     | Rosenflanz, Anatoly Z. |
|                                              | Art Unit                                                 | 1755                   |
|                                              | Examiner Name                                            | Elizabeth Bolden       |
| Fax: 703-872-9308                            | Attorney Docket Number                                   | 58807US002             |
| Total Number of Pages in This Submission: 15 |                                                          |                        |
| Date: November 18, 2004                      | Attorney for Applicant: Gregory D. Allen <b>RECEIVED</b> |                        |

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| <b>ENCLOSURES</b><br>(check all that apply)                                                                                                                 |                                                                              | NOV 18 2004                                                                                            |
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Issue Fee Transmittal<br><input type="checkbox"/> Amendment Transmittal           | <input type="checkbox"/> Petition                                            | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences                    |
| <input checked="" type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/Declaration(s)           | <input type="checkbox"/> Petition to Convert a Provisional Application       | <input type="checkbox"/> Appeal Communication to Technology Center (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> Extension of Time Request                                                                                                          | <input type="checkbox"/> Power of Attorney, Revocation                       | <input type="checkbox"/> Proprietary Information                                                       |
| <input type="checkbox"/> Express Abandonment Request                                                                                                        | <input type="checkbox"/> Change of Correspondence Address                    | <input type="checkbox"/> Status Letter                                                                 |
| <input type="checkbox"/> Information Disclosure Statement                                                                                                   | <input type="checkbox"/> Terminal Disclaimer                                 | <input type="checkbox"/> Other Enclosures:                                                             |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR § 1.52 or 1.53 | <input type="checkbox"/> Request for Refund                                  |                                                                                                        |
|                                                                                                                                                             | <input type="checkbox"/> Request for Continued Examination (RCE) Transmittal |                                                                                                        |
| <input type="checkbox"/> Drawings                                                                                                                           | <input type="checkbox"/> After Allowance Communication to Technology Center  |                                                                                                        |
| <b>REMARKS:</b>                                                                                                                                             |                                                                              |                                                                                                        |

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Case No.: 58807US002RECEIVED  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOV 18 2004

First Named Inventor: ROSENFLANZ, ANATOLY Z.

Application No.: 10/666212

Group Art Unit: 1755

Filed: September 18, 2003

Examiner: Elizabeth Bolden

Title: CERAMICS COMPRISING  $Al_2O_3$ , REO,  $ZrO_2$  AND/OR  $HfO_2$ , AND  $Nb_2O_5$   
AND/OR  $Ta_2O_5$  AND METHODS OF MAKING THE SAMEAMENDMENT TRANSMITTAL LETTERMail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

| CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR § 1.8(a)) |                                                                                                                                                                                                                      |
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| <input checked="" type="checkbox"/>                      | transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306.                                                                                                 |
| NOV. 18, 2004<br>Date                                    | <br>Signed by: Angie Zontelli                                                                                                                                                                                        |

Attached is an amendment in the above-identified application. The fee for this amendment is computed as follows:

| Claims As Amended                                                                                          |                                            |       |                                        |                      |             |                       |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------|----------------------------------------|----------------------|-------------|-----------------------|
| (1)                                                                                                        | (2)<br>Claims Remaining<br>After Amendment | (3)   | (4)<br>Highest No. Previously Paid For | (5)<br>Present Extra | (6)<br>Rate | (7)<br>Additional Fee |
| Total<br>Claims                                                                                            | 71                                         | Minus | ** 68                                  | 3                    | x \$18.00   | \$54.00               |
| Independent<br>Claims                                                                                      | 4                                          | Minus | *** 4                                  | 0                    | x \$88.00   | \$0.00                |
| Additional fee for filing one or more multiple dependent claims, if no such fee has been previously paid   |                                            |       |                                        |                      | \$300.00    |                       |
| Total Additional Fee For This Amendment →                                                                  |                                            |       |                                        |                      |             | \$54.00               |
| ** If the "Highest No. Previously Paid For" in this space would be less than 20, write "20" in this space. |                                            |       |                                        |                      |             |                       |
| *** If the "Highest No. previously Paid For" in this space would be less than 3, write "3" in this space.  |                                            |       |                                        |                      |             |                       |

Please charge to Deposit Account 13-3723 any fees under 37 CFR §§ 1.16 and 1.17 which may be required during the entire pendency of this application. This authorization includes the fee for any extension of time under 37 CFR § 1.136(a) that may be necessary. To the extent any such extension should become necessary, it is hereby requested. One copy of this sheet marked duplicate is also enclosed.

Respectfully submitted,

November 18, 2004  
DateBy:   
Gregory D. Allen, Reg. No.: 35,048  
Telephone No.: (651) 736-0641Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

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Patent  
Case No.: 58807US002

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: ROSENFLANZ, ANATOLY Z.  
Application No.: 10/666212 Group Art Unit: 1755  
Filed: September 18, 2003 Examiner: Elizabeth Bolden  
Title: CERAMICS COMPRISING  $Al_2O_3$ , REO,  $ZrO_2$  AND/OR  $HfO_2$ , AND  $Nb_2O_5$   
AND/OR  $Ta_2O_5$  AND METHODS OF MAKING THE SAME

SUPPLEMENTAL PRELIMINARY AMENDMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

|                                                                 |                                                                                                                                                                                                                      |
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| <input checked="" type="checkbox"/>                             | transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306.                                                                                                 |
| NOV. 18, 2004<br>Date                                           | <br>Signed by: Angie Zontelli                                                                                                     |

Dear Sir:

Please enter the following preliminary amendment in the above-referenced application.